

=> d his

(FILE 'HOME' ENTERED AT 15:18:06 ON 26 NOV 2002)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
CABA, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:18:21 ON
26 NOV 2002

M SEA ("80" (A) PERCENT OR "80%") (3A) (ALCOHOL? OR ETHANOL? OR

19 FILE ADISALERTS
1 FILE ADISINSIGHT
6 FILE ADISNEWS
157 FILE AGRICOLA
1545 FILE ANABSTR
81 FILE AQUASCI
183 FILE BIOBUSINESS
1758 FILE BIOSIS
404 FILE BIOTECHABS
404 FILE BIOTECHDS
238 FILE BIOTECHNO
809 FILE CABA
144 FILE CANCERLIT
2254 FILE CAPLUS
116 FILE CEABA-VTB
3 FILE CEN
38 FILE CIN
4 FILE CONFSCI
2 FILE CROPB
176 FILE CROPU
15 FILE DDFB
185 FILE DDFU
625 FILE DGENE
15 FILE DRUGB
7 FILE DRUGLAUNCH
696 FILE DRUGU
19 FILE EMBAL
1139 FILE EMBASE
411 FILE ESBIODBASE
25 FILE FEDRIP
16 FILE FOMAD
3 FILE FOREGE
69 FILE FROSTI
695 FILE FSTA
14 FILE GENBANK
26 FILE HEALSAFE
695 FILE IFIPAT
273 FILE JICST-EPLUS
8 FILE KOSMET
287 FILE LIFESCI
1121 FILE MEDLINE
55 FILE NIOSHTIC
69 FILE NTIS
24 FILE OCEAN
693 FILE PASCAL
4 FILE PHIN

316 FILE PROMT
1257 FILE SCISEARCH
10 FILE SYNTHLINE
1293 FILE TOXCENTER
23211 FILE USPATFULL
222 FILE USPAT2
23 FILE VETU
2460 FILE WPIDS
2460 FILE WPINDEX

L1 QUE ("80" (A) PERCENT OR "80%") (3A) (ALCOHOL? OR ETHANOL? OR
M

SEA L1 (11A) GREEN TEA

1 FILE BIOBUSINESS
2 FILE BIOSIS
3 FILE CAPLUS
1 FILE CEABA-VTB
1 FILE EMBASE
1 FILE ESBIODBASE
1 FILE FROSTI
2 FILE FSTA
1 FILE JICST-EPLUS
1 FILE MEDLINE
1 FILE PROMT
3 FILE SCISEARCH
1 FILE TOXCENTER
2 FILE USPATFULL

L2 QUE L1 (11A) GREEN TEA

FILE 'CAPLUS, SCISEARCH, BIOSIS, MEDLINE, PROMT, TOXCENTER' ENTERED AT
15:22:42 ON 26 NOV 2002

L3 11 S L2

L4 5 DUP REM L3 (6 DUPLICATES REMOVED)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:26:29 ON
26 NOV 2002

M SEA ("80" (A) PERCENT OR "80%") (7A) (ALCOHOL? OR ETHANOL? OR

31 FILE ADISALERTS
1 FILE ADISINSIGHT
9 FILE ADISNEWS
194 FILE AGRICOLA
1883 FILE ANABSTR
88 FILE AQUASCI
252 FILE BIOBUSINESS
2364 FILE BIOSIS
591 FILE BIOTECHABS
591 FILE BIOTECHDS
347 FILE BIOTECHNO
1029 FILE CABA
215 FILE CANCERLIT
3167 FILE CAPLUS
228 FILE CEABA-VTB
4 FILE CEN
99 FILE CIN
6 FILE CONFSCI
3 FILE CROPB
220 FILE CROPU
31 FILE DDFB

259 FILE DDFU
 625 FILE DGENE
 31 FILE DRUGB
 9 FILE DRUGLAUNCH
 1002 FILE DRUGU
 28 FILE EMBAL
 1646 FILE EMBASE
 576 FILE ESBIODBASE
 43 FILE FEDRIP
 37 FILE FOMAD
 32 FILE FOREGE
 86 FILE FROSTI
 878 FILE FSTA
 24 FILE GENBANK
 42 FILE HEALSAFE
 1689 FILE IFIPAT
 348 FILE JICST-EPLUS
 10 FILE KOSMET
 409 FILE LIFESCI
 1606 FILE MEDLINE
 88 FILE NIOSHTIC
 125 FILE NTIS
 27 FILE OCEAN
 979 FILE PASCAL
 7 FILE PHIN
 600 FILE PROMT
 1763 FILE SCISEARCH
 15 FILE SYNTHLINE
 1845 FILE TOXCENTER
 37247 FILE USPATFULL
 378 FILE USPAT2
 1 FILE VETB
 28 FILE VETU
 4769 FILE WPIDS
 4769 FILE WPINDEX
 54 FILE NAPRALERT

L5
M

QUE ("80" (A) PERCENT OR "80%") (7A) (ALCOHOL? OR ETHANOL? OR

 SEA L1 (11A) (GREEN TEA OR C.SINENSIS OR CAMELLIA OR CAMELIA)

SEA L5 (11A) (GREEN TEA OR C.SINENSIS OR CAMELLIA OR CAMELIA)

1 FILE BIOBUSINESS
 3 FILE BIOSIS
 4 FILE CAPLUS
 1 FILE CEABA-VTB
 1 FILE EMBASE
 1 FILE ESBIODBASE
 1 FILE FROSTI
 2 FILE FSTA
 1 FILE JICST-EPLUS
 1 FILE MEDLINE
 1 FILE PROMT
 3 FILE SCISEARCH
 1 FILE TOXCENTER
 3 FILE USPATFULL

L6

QUE L5 (11A) (GREEN TEA OR C.SINENSIS OR CAMELLIA OR CAMELIA)

FILE 'CAPLUS, BIOSIS, SCISEARCH, FSTA, BIOBUSINESS, CEABA-VTB, EMBASE,
 FROSTI, MEDLINE, TOXCENTER' ENTERED AT 15:34:51 ON 26 NOV 2002

L7

18 S L6

L8

9 DUP REM L7 (9 DUPLICATES REMOVED)

L8 ANSWER 8 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 3
 AN 1992:141834 BIOSIS
 DN BA93:76059
 TI EFFECT OF TEA CATECHINS FOR HALITOSIS AND THEIR APPLICATION TO CHEWING
 GUM.
 AU UI M; YASUDA H; SHIBATA M; MARUYAMA T; HORITA H; HARA T; YASUDA T
 CS LOTTE CENTRAL LAB. CO. LTD., 3-1-1 NUMAKAGE, URAWA-SHI, SAITAMA 336.
 SO J JPN SOC FOOD SCI TECHNOL, (1991) 38 (12), 1098-1102.
 CODEN: NSKGAX. ISSN: 0029-0394.
 FS BA; OLD
 LA Japanese
 AB **Green tea** was extracted with 80%
ethanol and the extract was separated with TOYO-PEARL HW-40 to
 obtain tea catechins, which consist of (-)-epicatechin (EC),
 (-)-epigallocatechin (EGC), (-)-epicatechin gallate (ECg) and
 (-)-epigallocatechin gallate (EGCg). The effect of tea catechins on
 methyl
 mercaptan (CH3SH), a main source of halitosis, was investigated in vitro.
 The deodorant effect of tea catechins on CH3SH was stronger than that of
 sodium copper chlorophyllin, which has been widely used as an oral
 deodorizer. Of four main components in tea catechins, the deodorant
 activity increased in the following order, EC<ECg<EGC<EGCg. This implies
 that their activities are related to their structural formula. The
 inhibitory effect of tea catechins on CH3SH production from saliva
 containing L-methionine was also evaluated. A large amount of CH3SH was
 produced during the incubation of saliva at 37.degree.C for 24 h. But
 the
 incubation of saliva added tea catechins resulted in the remarkable
 depression of CH3SH production. Tea catechins were attempted to apply to
 chewing gum. By chewing of gum containing tea catechins, CH3SH production
 was reduced significantly. These results indicated that tea catechins
 showed remarkable effect on the elimination of CH3SH, and chewing of gum
 containing tea catechins was useful to depress the bad breath.
 CC Biochemical Methods - General *10050
 Biochemical Studies - General 10060
 Food Technology - General; Methods *13502
 Food Technology - Evaluations of Physical and Chemical Properties
 *13530
 Food Technology - Preparation, Processing and Storage *13532
 Dental and Oral Biology - Physiology and Biochemistry *19004
 Plant Physiology, Biochemistry and Biophysics - Chemical Constituents
 51522
 BC Hominidae 86215
 IT Miscellaneous Descriptors
 HUMAN GREEN TEA EXTRACT METHYL MERCAPTAN REACTION DEODORANT EFFECT
 CATECHIN STRUCTURAL FORMULA SALIVA PRODUCTION BAD BREATH DEPRESSION
 FOOD PROCESSING
 RN 74-93-1 (METHYL MERCAPTAN)
 120-8

1,3,25 24